

Posted: Mon, Dec 23, 1991 11:36 AM EST      Msg: AJJB-1695-8894  
From: AMCKAY  
To: MODIS.DATA.TEAM  
Subj: MODIS SDST Minutes 12-13-91

MODIS Science Data Support Team (SDST) Meeting Minutes 12/13/91

ATTENDEES:	Phil Ardanuy	RDC	982-3714
	Al Fleig	900	286-7747
	Harold Geller	MCST/RDC	982-3740
	Tom Goff	RDC	982-3704
	Liam Gumley	RDC	982-3748
	Lou Kouvaris	Hughes	464-7365
	Ravi Kumar	STX	513-1630
	Ed Masuoka	920	286-7608
	Al McKay	RDC	982-3720
	Jim Ormsby	974	286-6811
	Wil Webster	920.2	286-4506

NEXT MEETING:	Date	Time	Building	Room
	Friday, December 20	10:00 am	16	242

TOPICS:

1. Al McKay presented a list of computer hardware components needed by the MODIS Science Data Support Team (SDST) in the near-term. The facilities to be acquired will provide primary computer support for MODIS SDST activities until the ECS contractor defines the computer architecture for the ECS Product Generation System (PGS); at this point, the Team Leader Compute Facility (TLCF) will acquire hardware compatible with the PGS. For interim use, the SDST will acquire a UNIX workstation and supporting peripherals.

2. Communications requirements for the new facility were discussed, and software hierarchy diagrams showing the basic software configurations required to support various SDST functions were shown. Initial SDST communications will use the Goddard network, Internet, or dial-in telephone access; services of the

EOSDIS Science Network (ESN) will be used when they become available. X-Windows/MOTIF will provide imaging capability across multiple computing platforms; SLIP/CSLIP will support X-Window operation across telephone lines when Goddard network or Internet access is not available.

3. Al McKay reported on several interviews with local MODIS Science Team Members. The purpose of the interviews was to determine Team Member support requirements for the TLCF. In the near-term, the Team Members interviewed expect to make minimal use of TLF facilities. Once a PGS-compatible facility is available, Team Members will use TLF facilities to support software integration and testing and Team Member use of the TLF will increase dramatically.

4. Liam Gumley reported on several changes to MAS processing code that affect instrument calibration and data storage format. An anonymous FTP account is being set up to distribute the early MAS data and some of the supporting software used to access it. Operational processing of MAS data is underway using the IRIS computer.

5. Phil Ardanuy discussed software integration and testing requirements and presented an evolutionary implementation plan that would gradually increase system complexity and ultimately lead to an integrated MODIS processing system. Team member oversight and review of integration and test activities will be essential to success.

6. Tom Goff presented some updated information on NetCDF data formats and discussed issues relating to interfacing C and FORTRAN routines. Tom also presented some notes on CASE tools.

#### ACTION ITEMS:

08/30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents to be produced, software development, MAS support, etc. STATUS: Open. Due date 09/27/91.

10/04/91 [Phil Ardanuy and Team]: Prepare questions for the project to characterize the spacecraft position and attitude knowledge and the MODIS pointing knowledge in a way that will facilitate the evaluation of methods such as image registration to meet the science team requirements for earth location. (The letter to the project was prepared, 10/28/91.) STATUS: Open. Due date 10/18/91.

12/06/91 [Liam Gumley]: Investigate a cataloguing scheme for the MAS data. Consider the Master Catalogue, PLDS and PCDS. STATUS: Open. Due date 02/14/92.

12/06/91 [Liam Gumley, Tom Goff, Ed Masuoka]: Develop a plan for storing and distributing MAS data. STATUS: Open. Due date 02/14/92.

12/06/91 [Ed Masuoka]: Arrange for the "QA" company to come in and give a demonstration of their Performance Analysis Tool. (Demonstration is scheduled for 10:10am Thursday, December 19, 1991.) STATUS: Open. Due date 12/20/91.

12/06/91 [Al McKay]: Set up a meeting with Al Fleig to go over the TLCF functions. STATUS: Open. Due date 12/13/91.